

CLAIMS

1. A shrink label for a PET bottle comprising a heat-shrinkable film, wherein the shrink label has an adhesive coating film layer of a coating agent (A) on the side contacting the PET bottle, the adhesive coating film layer having a dry film thickness of 0.1 to 10  $\mu\text{m}$ ; and the peel strength after keeping the coating film surface of the shrink label and a PET film in pressure contact with each other at a pressure of 8.5 MPa in a 10  $40^\circ\text{C}$  atmosphere for 24 hours is within the range of 5 mN/50 mm to 17 N/50 mm.

2. A shrink label according to claim 1, wherein the shrink label is for a PET bottle having a plurality of 15 alternately projecting and sunken portions in the circumferential direction; and the shrink label having the adhesive coating film layer of the coating agent (A) on the side contacting the PET bottle, the adhesive coating film layer being provided on at least the portions contacting the projecting portions of the PET 20 bottle.

3. A shrink label according to claim 1, wherein the heat-shrinkable film comprises a polyester resin, polystyrene resin, polyolefin resin, or polyvinyl chloride resin.

25 4. A shrink label according to claim 1, wherein the heat-shrinkable film has a thickness of 10 to 100  $\mu\text{m}$  and a shrinkage stress of at least 2.0 N/cm in the main shrinkage direction.

30 5. A shrink label according to claim 1, wherein the coating agent (A) comprises an organic resin (a) having a number average molecular weight of 500 to 100,000 and a softening point of  $30^\circ\text{C}$  to  $150^\circ\text{C}$ .

6. A shrink label according to claim 3, wherein the organic resin (a) is at least one resin selected from the group consisting of epoxy resins, acrylic resins, ethylene vinyl acetate resins, polyester resins, urethane resins, and terpene  
5 resins.

7. A shrink label according to claim 5, wherein the coating agent (A) further comprises a pigment (b).

10 8. A shrink label according to claim 7, wherein the pigment (b) is titanium oxide and/or aluminum powder.

15 9. A shrink label according to claim 1, wherein the coating film of the coating agent (A) is formed by gravure coating.

20 10. A shrink label according to claim 9, wherein, at the time of gravure coating, the coating agent (A) has a solids content of 20% to 80% by weight and a viscosity of 5 to 60 seconds/Zahn cup #3.

25 11. A shrink label according to claim 1, wherein the peel strength after keeping the coating film surface of the coating agent (A) and the PET film in pressure contact with each other at a pressure of 8.5 MPa in a 40°C atmosphere for 24 hours is within the range of 10 mN/50 mm to 4 N/50 mm.

30 12. A shrink label according to claim 11, wherein the peel strength after keeping the coating film surface of the coating agent (A) and the PET film in pressure contact with each other at a pressure of 8.5 MPa in a 40°C atmosphere for 24 hours is within the range of 50 mN/50 mm to 1 N/50 mm.

35 13. A PET bottle having a shrink label according to claim 1 attached thereto.